



P.B.5818 - Patentlaan 2  
2280 HV Rijswijk (ZH)  
☎ +31 70 340 2040  
TX 31651 epo nl  
FAX +31 70 340 3016

Europäisches  
Patentamt

Eingangs-  
stelle

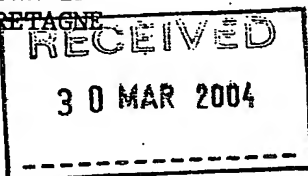
European  
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Dépôt

Daniels, Jeffrey Nicholas  
Page White & Farrer  
54 Doughty Street  
London WC1N 2LS  
GRANDE BRETAGNE



Datum/Date

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Zeichen/Ref./Réf.

86900/JND/JE/SJ

Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°.

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Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire

KABUSHIKI KAISHA HAYASHIBARA SEIBUTSU KAGAKU KENKYUJO

## COMMUNICATION

The European Patent Office herewith transmits the partial European search report under Rule 46(1) EPC relating to the above-mentioned European patent application.

Copies of the documents cited in the search report are enclosed.

The applicant's attention is drawn to the following:

The search Division informs the applicant that if the European search report is also to cover inventions other than the invention first mentioned in the claims, a further search fee must be paid for each of these inventions, within ONE MONTH after notification of this communication.

If the application has been filed up to 30 June 1999, the search fee in force before 01 July 1999 (EUR 869,-) or the equivalent applicable on the date of payment is payable.

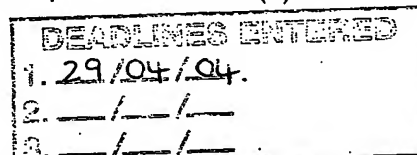
**This applies also to the search fees requested under Rule 46(1) EPC.**

See also OJ EPO 06/1999, 405.

Moreover, the Search Division considers that the present European patent application does not comply with the provisions of the European Patent Convention to such an extent that it is not possible to carry out a meaningful search into the state of the art on the basis of some of the claims; reference is made to sheet C, which is attached to the search report.

☐ The abstract was modified by the Search Division and the definitive text is attached to the present communication.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) attached as well.



### Note to users of the automatic debiting procedure:

Unless the EPO receives prior instructions to the contrary, the search fee(s) will be debited on the last day of the period for payment. For further details see the Arrangements for the automatic debiting procedure, Supplement to OJ EPO 02/1999.



REGISTERED LETTER



The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 25 and partially 1-24

Use of trehalose as a food preservative

2. Claims: 1-24 (all partially)

Use of trehalose in a cosmetic composition

3. Claims: 1-24 (all partially)

Use of trehalose in a pharmaceutical composition

Remark: Claim 26 has not been searched due to lack of clarity (see Sheet C). It therefore has been disregarded when drafting the non-unitary inventions.!



Claim(s) searched completely:

Claim(s) searched incompletely:

1-25 (as far as relating to the first invention)

Claim(s) not searched:

26

Reason for the limitation of the search:

A) Present claims 1-26 relate to a 'reduction inhibitory agent for active-oxygen eliminating activity'. The claims potentially cover a manifold of different uses, whereas the application provides support within the meaning of Article 84 EPC and disclosure within the meaning of Article 83 EPC for only a very limited number of such uses. In the present case the claims so lack support, and the application so lacks disclosure that a meaningful search over the whole of the claimed scope is impossible.

Independent of the above reasoning, the claims also lack clarity (Article 84 EPC). From claim 1 as presently drafted it is not clear how said alleged property of trehalose can be exploited. Based upon information readily available to one skilled in the art, the skilled artisan would not know all the possible uses linked to the alleged property/effect. Consequently, the search, as far as relating to the first invention, has been limited to the use of trehalose as indicated on pages 2-3 of the description as far as relating to the first invention, i.e. to the use of trehalose as a food stabiliser.

B) Present claims 6, 8, 12, 14 relate to a 'plant antioxidant'; claims 8, 14 relate to plant enzymes, pigments, polyphenols, vitamins as antioxidants; claim 17 relates to 'essential minerals, edible fibers, growth-promoting saccharides for bifid bacteria, vitamins, biologically active substances'. These claims cover a very large number of possible compounds and parts of plants, whereas the application provides support within the meaning of Article 84 EPC and disclosure within the meaning of Article 83 EPC for only a very limited number of such compounds. In the present case the claims so lack support, and the application so lacks disclosure that a meaningful search over the whole of the claimed scope is impossible.

Independent of the above reasoning, the claim also lacks clarity (Article 84 EPC). The expression 'biologically active substances' is very vague and appears to be applicable to all living plant matter.

The expressions 'essential minerals' and 'growth-promoting saccharides for bifid bacteria' are functional definitions which do allow to determine which compounds fall within the scope of the definition and which not. Moreover, as no target organism has been specified in the claims, it is not possible to determine which minerals might be essential for this unspecified organism.

The search, as far as relating to the first invention, has been limited to the antioxidants explicitly mentioned in the description on pages 2 and 8 and to the explicitly named compounds on pages 10-48 of the description, as far as relating to the first invention.

C) In present claim 19 the active oxygen eliminating activity is characterised by a value of at least 5 units/g in the nitroblue



tetrazolium test (NBT). While the NBT is a test known in the medical field, this parameter is uncommon in the field of food processing. In the present context this is considered to lead to a lack of clarity within the meaning of Article 84 EPC. It is impossible to compare the parameter the applicant has chosen to employ with what is set out in the prior art over the whole breadth of the claimed invention as far as relating to the first invention. The lack of clarity is such as to render a meaningful complete search impossible.

The search has been limited to the use of trehalose for the stabilisation and/or preservation of the enzymes mentioned in the description on pages 2 and 8, as far as relating to the first invention.

D) Claim 20 relates to a 'food product (...) or 'its! material or intermediate'. The claim covers a very large number of possible products, whereas the application provides support within the meaning of Article 84 EPC and disclosure within the meaning of Article 83 EPC for only a limited number of such compounds. In the present case the claim so lacks support, and the application so lacks disclosure that a meaningful search over the whole of the claimed scope is impossible.

Independent of the above reasoning, the claim also lacks clarity (Article 84 EPC). The expression 'material or intermediate' is very vague. It is not clear which 'intermediates' are meant and to which final products the expression 'intermediate' relates.

The search, as far as relating to the first invention, has been limited to the food products as mentioned in the description in examples B-1 to B-26 as far as relating to the first invention.

E) Claim 26 relates to a food product with a 'satisfactory biting property'.

This expression is considered to be vague and relative to such an extent that a meaningful search appears to be impossible.

Claim 26 has therefore been disregarded for the search.



European Patent  
Office

# PARTIAL EUROPEAN SEARCH REPORT

Application Number

under Rule 46, paragraph 1 of the European Patent Convention EP 98 30 1575

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
(u) AT 47 CM 48 CL X	EP 0 297 887 A (QUADRANT BIORESOURCES LTD) 4 January 1989 (1989-01-04) * the whole document * ---	1,4-18, 20-25	A61K31/70
X	ROSER B: "Trehalose, a new approach to premium dried foods" TRENDS IN FOOD SCIENCE AND TECHNOLOGY, vol. 2, 1991, pages 166-169, XP008008081 GB * abstract * * page 166, right-hand column, paragraph 2 - page 167, left-hand column, paragraph 3 * * page 169, right-hand column, paragraph 2 * ----	1,4-18, 20-25	
X	ROSER B: "TREHALOSE DRYING: A NOVEL REPLACEMENT FOR FREEZE-DRYING" BIOPHARM, CLEVELAND, OH, US, vol. 4, no. 8, 1 September 1991 (1991-09-01), pages 47-53, XP000569065 * page 52, left-hand column, paragraph 4 * ---- -/--	1,4-18, 20-25	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			A61K
LACK OF UNITY OF INVENTION			
The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:			
see sheet B			
The present partial European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims.			
Place of search		Date of completion of the search	Examiner
THE HAGUE		9 March 2004	Langer, O
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	

EPO FORM 1503 03.82 (P04C27)

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	<p>ROSER B ET AL: "A SWEETER WAY TO FRESHER FOOD"</p> <p>NEW SCIENTIST, IPC MAGAZINES, LONDON, GB, vol. 138, 15 May 1993 (1993-05-15), pages 25-28, XP002044603</p> <p>ISSN: 0262-4079</p> <p>* the whole document *</p> <p>---</p>	1,4-18, 20-25	
X	<p>DATABASE WPI</p> <p>Section Ch, Week 198922</p> <p>Derwent Publications Ltd., London, GB;</p> <p>Class B05, AN 1989-162879</p> <p>XP002213307</p> <p>&amp; JP 01 106829 A (TOSOH CORP), 24 April 1989 (1989-04-24)</p> <p>* abstract *</p> <p>---</p>	1	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
X	<p>DATABASE WPI</p> <p>Section Ch, Week 199004</p> <p>Derwent Publications Ltd., London, GB;</p> <p>Class B04, AN 1990-026625</p> <p>XP002213308</p> <p>&amp; JP 01 304882 A (UBE IND LTD), 8 December 1989 (1989-12-08)</p> <p>* abstract *</p> <p>---</p> <p>-/--</p>	1,2	



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
45 CI  42 CC	X LIPPERT K ET AL: "ENZYME STABILIZATION BY ECTOINE-TYPE COMPATIBLE SOLUTES: PROTECTION AGAINST HEATING, FREEZING AND DRYING" APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, SPRINGER VERLAG, BERLIN, DE, vol. 37, no. 1, 1 April 1992 (1992-04-01), pages 61-65, XP000608489 ISSN: 0175-7598 * abstract * * figures 3-7 * * page 61, left-hand column, line 9 - right-hand column, line 17 * * page 63, right-hand column, paragraph 3 - page 64, right-hand column, line 17 *	1,2,4	
	X CARPENTER J F ET AL: "MODES OF STABILIZATION OF A PROTEIN BY ORGANIC SOLUTES DURING DESICCATION" CRYOBIOLOGY, ACADEMIC PRESS INC, US, vol. 25, no. 5, 1988, pages 459-470, XP000904733 ISSN: 0011-2240 * abstract * * figure 2 * * page 459, left-hand column, line 10 - right-hand column, line 3 * * page 464, right-hand column, line 2 - line 20 * * page 467, left-hand column, line 26 - line 28 *  ----- -/--	1,2,4	TECHNICAL FIELDS SEARCHED (Int.Cl.6)



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
41 CD X	CARPENTER J F ET AL: "SEPARATION OF FREEZING- AND DRYING-INDUCED DENATURATION OF LYOPHILIZED PROTEINS USING STRESS-SPECIFIC STABILIZATION I. ENZYME ACTIVITY AND CALORIMETRIC STUDIES" ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, NEW YORK, US, US, vol. 303, no. 2, 1 June 1993 (1993-06-01), pages 456-464, XP000608615 ISSN: 0003-9861 * abstract * * page 456, right-hand column, line 10 - line 15 * * page 456, right-hand column, line 27 - line 31 *	1,2,4	
40 CE X	CARPENTER J F ET AL: "Stabilization of phosphofructokinase with sugars during freeze-drying: characterization of enhanced protection in the presence of divalent cations." BIOCHIMICA ET BIOPHYSICA ACTA. NETHERLANDS 20 JAN 1987, vol. 923, no. 1, 20 January 1987 (1987-01-20), pages 109-115, XP008007981 ISSN: 0006-3002 * abstract * * page 113, left-hand column, paragraph 3 - right-hand column, paragraph 2 * --- -/--	1,2,4	TECHNICAL FIELDS SEARCHED (Int.Cl.6)





DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
17 BG X	WO 93 00807 A (CRYOLIFE INC) 21 January 1993 (1993-01-21) * claims 1,2 * * page 6, line 10 - line 17 * * page 7, line 6 - line 14 * * page 7, line 30 - line 33 * * page 8, line 25 - line 30 * * page 9, line 12 - line 13 * ---	1,2	
39 CE X	CARPENTER J F ET AL: "Stabilization of phosphofructokinase during air-drying with sugars and sugar/transition metal mixtures." CRYOBIOLOGY. UNITED STATES OCT 1987, vol. 24, no. 5, October 1987 (1987-10), pages 455-464, XP008007978 ISSN: 0011-2240 * abstract * * page 455, left-hand column, line 1 - right-hand column, line 4 * * page 456, right-hand column, line 38 - line 41 * * page 462, right-hand column, line 10 - line 19 * * figure 1 * ---	1,2	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
38 CB X	ARGALL M E ET AL: "THE USE OF TREHALOSE-STABILIZED LYOPHILIZED METHANOL DEHYDROGENASE FROM HYPHOMICROBIUM X FOR THE DETECTION OF METHANOL" BIOCHEMISTRY AND MOLECULAR BIOLOGY INTERNATIONAL, ACADEMIC PRESS, LONDON, GB, vol. 30, no. 3, July 1993 (1993-07), pages 491-497, XP000904770 ISSN: 1039-9712 * abstract * * page 492, paragraph 2 * * page 494, paragraph 2 * ---	1	
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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X CA	DATABASE WPI Section Ch, Week 199506 Derwent Publications Ltd., London, GB; Class D13, AN 1995-040292 XP002213309 & JP 06 319503 A (ASAHI KASEI KOGYO KK), 22 November 1994 (1994-11-22) * abstract *	1,4-18, 20-25	
X	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 06, 31 July 1995 (1995-07-31) & JP 07 079739 A (SANEI GEN F F I INC), 28 March 1995 (1995-03-28) * abstract *	1,4-18, 20-25	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
X H	DATABASE WPI Section Ch, Week 199517 Derwent Publications Ltd., London, GB; Class B04, AN 1995-127354 XP002213311 & JP 07 051063 A (KIRIN BREWERY KK), 28 February 1995 (1995-02-28) * abstract *	1,4-18, 20-25	
X W	DATABASE WPI Section Ch, Week 199632 Derwent Publications Ltd., London, GB; Class D13, AN 1996-316235 XP002213312 & JP 08 140595 A (POLA CHEM IND INC), 4 June 1996 (1996-06-04) * abstract *	1,4-18, 20-25	
X H	EP 0 556 838 A (TAKEDA CHEMICAL INDUSTRIES LTD) 25 August 1993 (1993-08-25) * page 2, paragraph 1 *	1,4-18, 20-25	



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
(2) AR X	US 5 169 767 A (MATSUURA KAZUHO ET AL) 8 December 1992 (1992-12-08) * column 1, line 10 - line 13 *	1,4-18, 20-25	
(1) AQ X	US 4 963 385 A (ANTRIM RICHARD L ET AL) 16 October 1990 (1990-10-16)  * claim 11 * * column 1, line 34 - line 38 * * column 3, line 48 - line 66 * * examples 3-9 *	1,2, 4-18, 20-25	
10 AZ X	EP 0 739 986 A (HAYASHIBARA BIOCHEM LAB) 30 October 1996 (1996-10-30)  * page 4, line 28 - page 5, line 34 *	1,2, 4-18, 20-25	
9 AY X	EP 0 691 344 A (HAYASHIBARA BIOCHEM LAB) 10 January 1996 (1996-01-10)  * page 10, line 45 - page 11, line 41 * * examples B-3 *	1,2, 4-18, 20-25	
8 AX X	EP 0 690 130 A (HAYASHIBARA BIOCHEM LAB) 3 January 1996 (1996-01-03) * claims 1,2 * * examples A1-B12 * * page 2, line 3 - line 5 * * page 8, line 40 - line 42 * * page 8, line 45 - line 47 * * page 9, line 3 - line 39 *	1-18, 20-25	
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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
50 CN X	SALEK A T ET AL: "TREHALOSE - STABILISATION OF OSMOPHILICITY AND VIABILITY OF BAKER'S AND DISTILLER'S YEAST: APPLICATIONS TO STORAGE AND DRYING" CHEMIE MIKROBIOLOGIE, TECHNOLOGIE DER LEBENSMITTEL, XX, XX, vol. 1/2, no. 17, 1995, pages 14-21, XP002950718 ISSN: 0366-7154 * abstract * * page 15, left-hand column, line 3 - right-hand column, line 4 * * page 19, left-hand column, paragraph 3 - right-hand column, paragraph 3 *	1,2	
43 CG X	GODDIJN O J M ET AL: "INHIBITION OF TREHALASE ACTIVITY ENHANCES TREHALOSE ACCUMULATION IN TRANSGENIC PLANTS" PLANT PHYSIOLOGY, AMERICAN SOCIETY OF PLANT PHYSIOLOGISTS, ROCKVILLE, MD, US, vol. 113, no. 1, 1997, pages 181-190, XP002043745 ISSN: 0032-0889 * page 181, right-hand column, line 1 - line 12 *	1	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
16 BH X	WO 95 01446 A (MOGEN INT ;HOEKEMA ANDREAS (NL); PEN JAN (NL); DOES MIRJAM PETRONE) 12 January 1995 (1995-01-12) * page 15, line 15 - line 26 *	1,4-18, 20-25	
21 BK X	WO 96 21030 A (MOGEN INT ;VOOGD ELINE (NL); GODDIJN OSCAR JOHANNES MARIA (NL); KR) 11 July 1996 (1996-07-11) * page 14, line 17 - page 15, line 15 *	1,4-18, 20-25	
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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
7 X AW	EP 0 636 693 A (HAYASHIBARA BIOCHEM LAB) 1 February 1995 (1995-02-01) * abstract * * page 11, line 54 - line 56 * * page 12, line 2 - line 4 * * page 12, line 16 - line 55 * * page 13, line 15 - line 20 * ---	1-18, 20-25	
6 X AV	EP 0 628 630 A (HAYASHIBARA BIOCHEM LAB) 14 December 1994 (1994-12-14) * page 11, line 6 - line 9 * * page 11, line 17 - line 19 * * page 11, line 23 - line 25 * * page 11, line 39 - page 12, line 20 * * page 12, line 38 - line 43 * ---	1-18, 20-25	
20 X BS	WO 96 00789 A (ALKO GROUP LTD ;TUNNELA OUTI (FI); LONDESBOROUGH JOHN (FI); MANDAL) 11 January 1996 (1996-01-11) * claims 13,25-29 * * page 2, line 35 - page 3, line 4 * * page 3, line 9 - line 11 * * page 15, line 21 - page 16, line 5 * ---	1,4-18, 20-25	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
19 X BI	WO 95 06126 A (MOGEN INT ;HOEKEMA ANDREAS (NL); PEN JAN (NL); DOES MIRJAM PETRONE) 2 March 1995 (1995-03-02) * page 9, line 27 - page 10, line 18 * * page 16, line 25 - page 17, line 1 * ---	1,4-18, 20-25	
(3) X AS	US 5 567 424 A (HASTINGS CARL W) 22 October 1996 (1996-10-22) * column 2, line 31 - column 7, line 32 * * claims 1-11 * --- -/--	5-25	
9			



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
20 BT X	DATABASE WPI Section Ch, Week 199709 Derwent Publications Ltd., London, GB; Class B04, AN 1997-087823 XP002213676 & CN 1 078 117 A (STATE-RUN HAIKOU CITY BISCUIT FACTORY), 10 November 1993 (1993-11-10) * abstract *	5-25	
27 BQ X	DATABASE WPI Section Ch, Week 199715 Derwent Publications Ltd., London, GB; Class B04, AN 1997-155041 XP002213677 & CN 1 091 262 A (LU M), 31 August 1994 (1994-08-31) * abstract *	5-25	
26 BP X	DATABASE WPI Section Ch, Week 199516 Derwent Publications Ltd., London, GB; Class B04, AN 1995-116001 XP002213678 & CN 1 079 880 A (SHEN Y), 29 December 1993 (1993-12-29) * abstract *	5-25	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
25 BO X	DATABASE WPI Section Ch, Week 199545 Derwent Publications Ltd., London, GB; Class B04, AN 1995-345099 XP002213679 & CN 1 094 923 A (FANG Y), 16 November 1994 (1994-11-16) * abstract *	5-25	
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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
28 X BR	DATABASE WPI Section Ch, Week 199732 Derwent Publications Ltd., London, GB; Class D13, AN 1997-342411 XP002213680 & CN 1 107 297 A (SUN S), 30 August 1995 (1995-08-30) * abstract *	5-25	
24 X BN	DATABASE WPI Section Ch, Week 199646 Derwent Publications Ltd., London, GB; Class D13, AN 1996-459115 XP002213681 & JP 08 228736 A (ARAI T), 10 September 1996 (1996-09-10) * abstract *	5-25	
29 X BS	DATABASE WPI Section Ch, Week 199732 Derwent Publications Ltd., London, GB; Class B04, AN 1997-342663 XP002213682 & CN 1 107 716 A (WU F), 6 September 1995 (1995-09-06) * abstract *	5-25	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
31 X BU	DATABASE WPI Section Ch, Week 199605 Derwent Publications Ltd., London, GB; Class B04, AN 1996-045316 XP002213683 & JP 07 309770 A (NARISU KESHOHIN KK), 28 November 1995 (1995-11-28) * abstract *	5-25	
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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
51 CO A	SUN WENDELL Q ET AL: "Cytoplasmic vitrification and survival of anhydrobiotic organisms." COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY A, vol. 117, no. 3, 1997, pages 327-333, XP002213305 ISSN: 0300-9629 * abstract * * page 329, left-hand column, line 5 - right-hand column, line 11 * ---	1-25	
52 CP A	URITANI M ET AL: "Protective effect of disaccharides on restriction endonucleases during drying under vacuum." JOURNAL OF BIOCHEMISTRY. JAPAN APR 1995, vol. 117, no. 4, April 1995 (1995-04), pages 774-779, XP001074340 ISSN: 0021-924X * abstract * * page 774, left-hand column, paragraph 2 - right-hand column, paragraph 2 * ---	1,2	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
44 CH P,X	DATABASE BIOSIS 'Online! BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 1998 AGA HAJIME ET AL: "Stabilization by trehalose of superoxide dismutase-like activity of various vegetables." Database accession no. PREV199800255288 XP002213306 * abstract * & NIPPON SHOKUJIN KAGAKU KOGAKU KAISHI, vol. 45, no. 3, 1998, pages 210-215, ISSN: 1341-027X --- -/--	1,2,4-25	



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
P,X	WO 97 38095 A (COLETICA) 16 October 1997 (1997-10-16) * abstract * * page 8, line 14 - line 16 * * example 7 * * claim 18 *	1,4-18, 20-25	
P,X	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 02, 30 January 1998 (1998-01-30) & JP 09 275994 A (FUJI SEITO KK;SHIZUOKA PREFECTURE), 28 October 1997 (1997-10-28) * abstract *	1,4-18, 20-25	
P,X	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 10, 31 October 1997 (1997-10-31) & JP 09 163943 A (AJINOMOTO CO INC), 24 June 1997 (1997-06-24) * abstract *	1,4-18, 20-25	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
P,X	DATABASE WPI Section Ch, Week 199719 Derwent Publications Ltd., London, GB; Class D13, AN 1997-206591 XP002213310 & JP 09 056342 A (NIPPON SHOKUHN KAKO KK) , 4 March 1997 (1997-03-04) * abstract *	1,4-18, 20-25	
P,X	EP 0 784 095 A (MOGEN INT) 16 July 1997 (1997-07-16) * page 7, line 12 - line 34 *	1,4-18, 20-25	
P,X	WO 97 17435 A (SQUIBB & SONS INC) 15 May 1997 (1997-05-15) * claims 1,3,6 *	1	

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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
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